



Smart Lock

User Manual

S41B



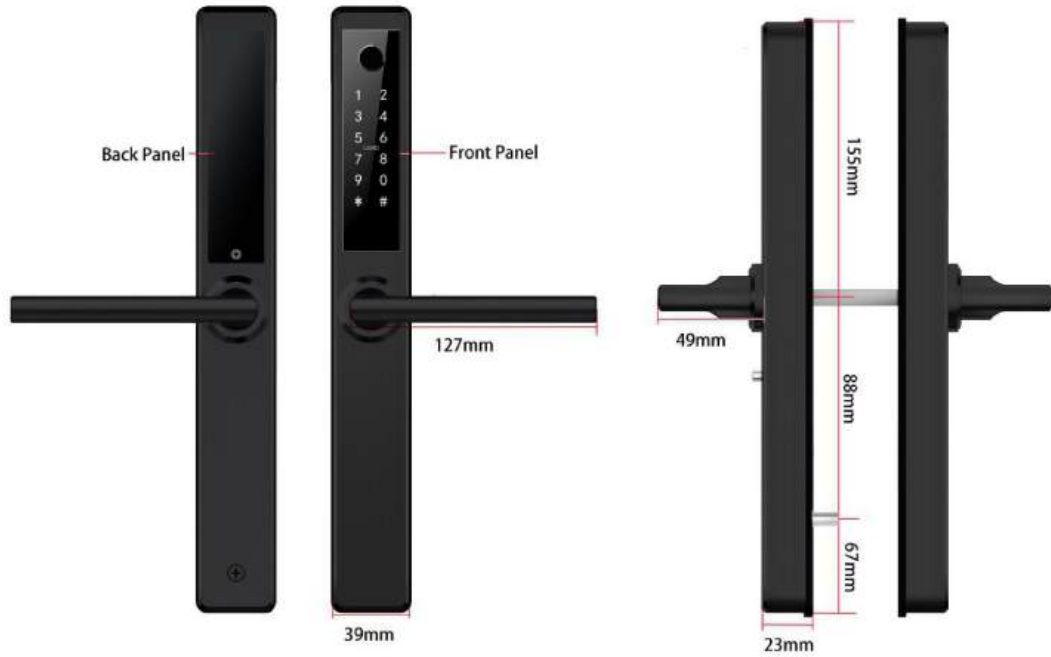
Special Attention:

1. Please keep the keys outside the door in case of emergency.
2. Please replace the battery when low battery alarm.
3. Reading this user manual carefully before installation.



1. Introduction

1.1. Lock structure



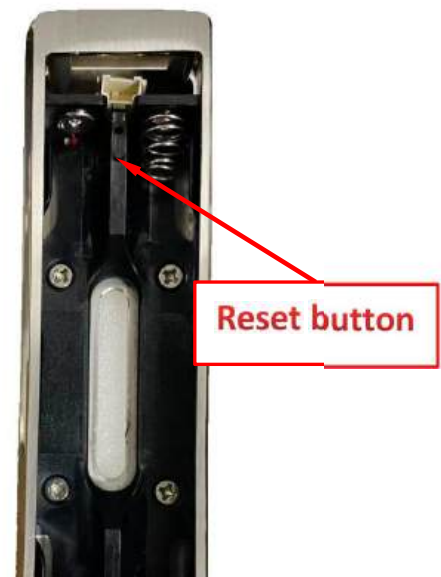


1.2. Specifications

Suitable for Models	S41B	Doors Applicable	Aluminium door Woodenddoor
Materials	Handle: SS304 Panel: SS304	Working Voltage	6V/4x AA Batteries
Lock Weight	3KG	Door Thickness to Fit	35-65mm
Unlocking Way	Bluetooth Fingerprint Passcode Card Key Gateway(option)	Data Capacity	Fingerprint: 200 Password: 150 Card: 200
Color	Silver Black	Working Temperature	-10°C-55°C
Low Wattage Alarm	Less than 4.8V	Working Humidity	0-95%

Factory Reset

Open the back cover plate and push down the reset button as indicated, for about 5 seconds until voice instructs to input "000 #", then the lock will reset back to its original state after the buzzer beeps twice.



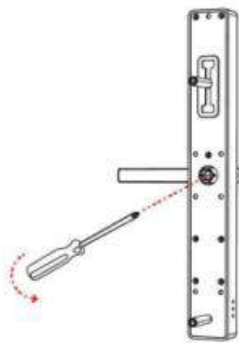


2.Installation

2.1 Adjusting the handle

Adjust the handle according to the direction you open the door.

For front panel



1.Loose screw

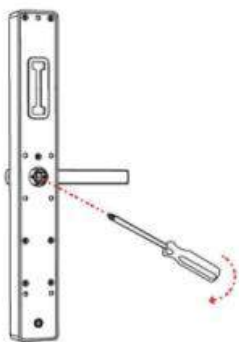


2.Flip over to other side to suit your door if needed.



3.Tighten back the screw after adjusting the direction

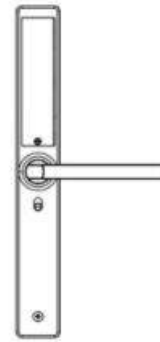
For back panel



1.Loose screw



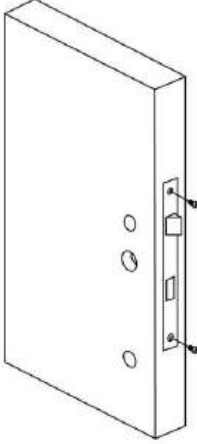
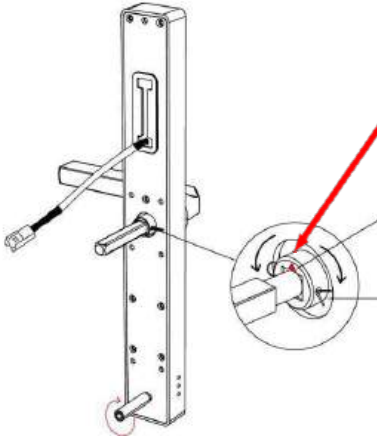
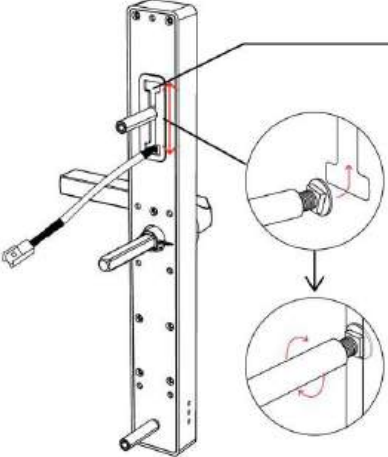
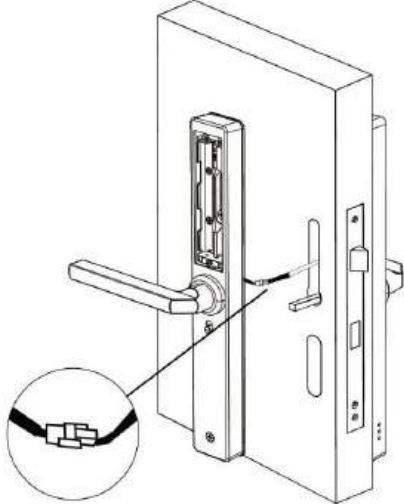
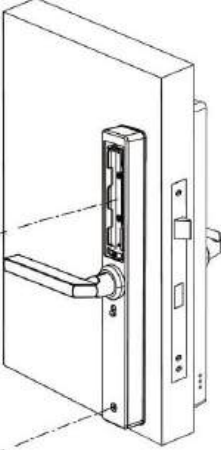
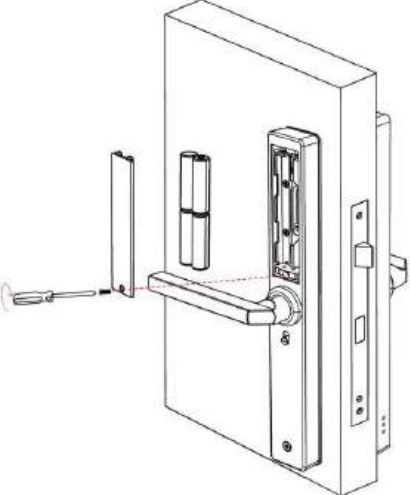
2.Flip over to other side to suit your door if needed.



3.Tighten back the screw after adjusting the direction



2.2. Installation Diagram

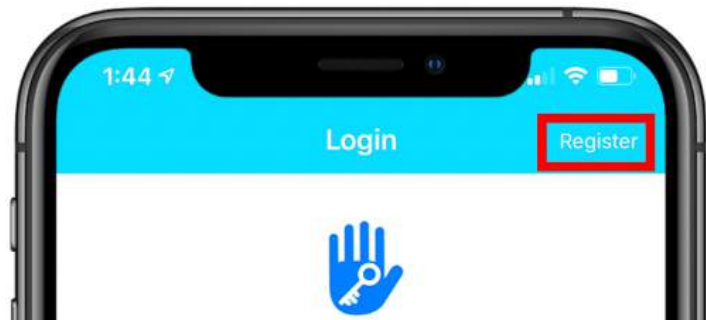
Step 1 Install Mortise lock body	Step 2 Install Square Shaft
	 <p>If the handle points to the left, then turn the "arrow" point to the left.</p> <p>If the handle points to the right, then turn the "arrow" point to the right.</p> <p>Insert the split pin into the hole and then split the pin from other side.</p> <p>IMPORTANT: Wrong "arrow" direction will cause no response when turning the handle.</p> <p>60mm Square shaft for 35 - 45mm door thickness . 80mm Square shaft for 45 - 65mm door thickness .</p>
Step 3 Install Sliding Screw	Step 4 Connect the Front and Back Panel's Wire Together
 <p>The sliding screw when placed into the slot is adjustable from 60mm to 100mm from the square shaft. This is depending on the location of the hole drilled or the old existing door hole.</p>	
Step 5 Install Back Panel	Step 6 Install the Battery
 <p>Upper connection screws use M5*25mm, 30mm or 40mm depending on the door thickness. e.g. Use M5*30mm Screw for 40 mm door thickness.</p> <p>Lower connection screws use M5*40mm, 50mm or 70mm depending on the door thickness e.g. Use M5*50mm Screw for 40 mm door thickness.</p>	



Smartphone App

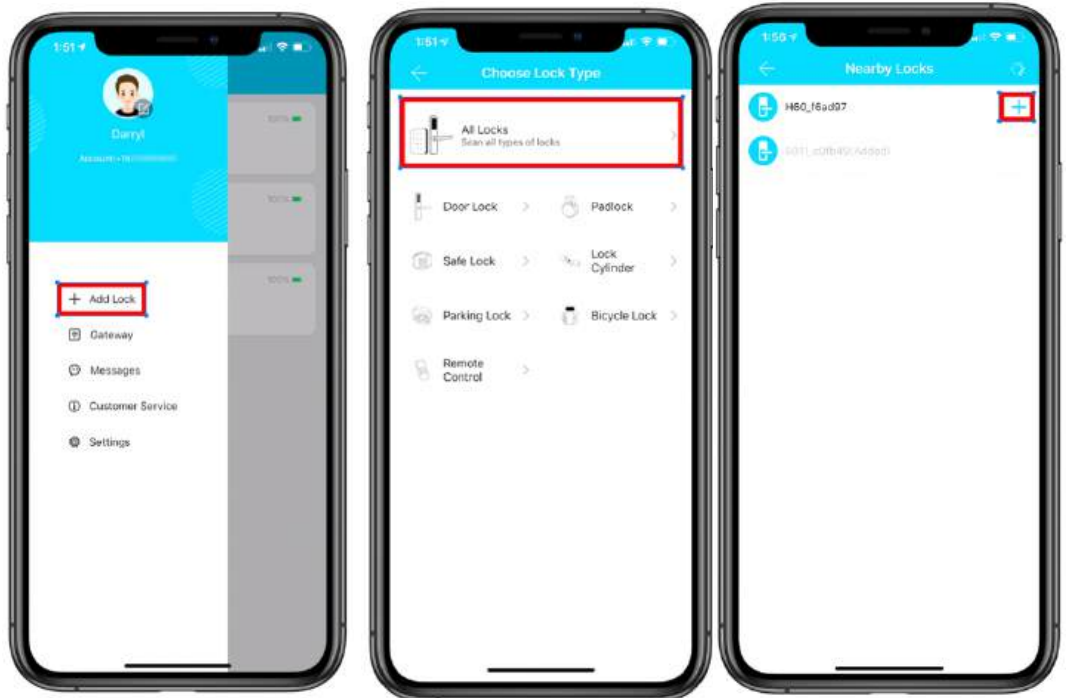


1. Download and install “TTLock” from your app store or Google Play. Scan the appropriate QR Code above to get started.
2. Open TTLock and tap the Register button to create a new TTLock account using either your phone number or email address. If you already have a TTLock account then simply login.



Add Lock to TTLock

1. Be sure that Bluetooth is enabled on your phone and that you are within a few feet of your smart lock.
2. Tap the “hamburger icon” in TTLock to reveal the slide out menu. Select “+ Add Lock”.
3. Then select “All Locks” from the “Choose Lock Type” screen.
4. Your lock will not appear in the “Nearby Locks” list until you **wake up your lock by touching the lock screen**.
5. Select the “+” button next to your lock when it appears in the list. Your lock will then say, “Adding administrator successful.” You are now the Bluetooth administrator of the lock.
6. Next you will be prompted to assign a name to your lock.



Administrator Dashboard

After you pair the smart lock with your phone, your lock will have it’s own dashboard. It gives you access to all of the electronic lock features, such as managing fingerprints, eKeys, passcodes, IC Cards, administrators and settings.



Administrator Passcode

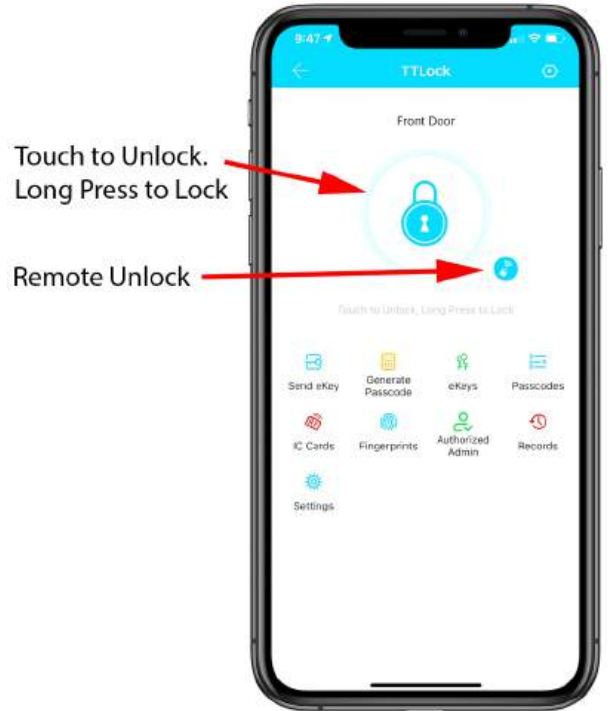
Administrators are automatically assigned an administrator passcode. To find or change it, go Settings → Basics → Admin Passcode. Enter the passcode into your lock keypad and press “#” to unlock.

Unlocking with your smartphone



You can lock and unlock using your smartphone from the lock dashboard. You can also send eKeys to other TTLock users so that they too can unlock and lock using their smartphones. See the section on eKeys.

Make sure there is no problem with your Bluetooth and that are within 5 meters of your lock. Simply touch the blue lock icon to unlock. To lock, long press the same icon.



Remote Unlocking

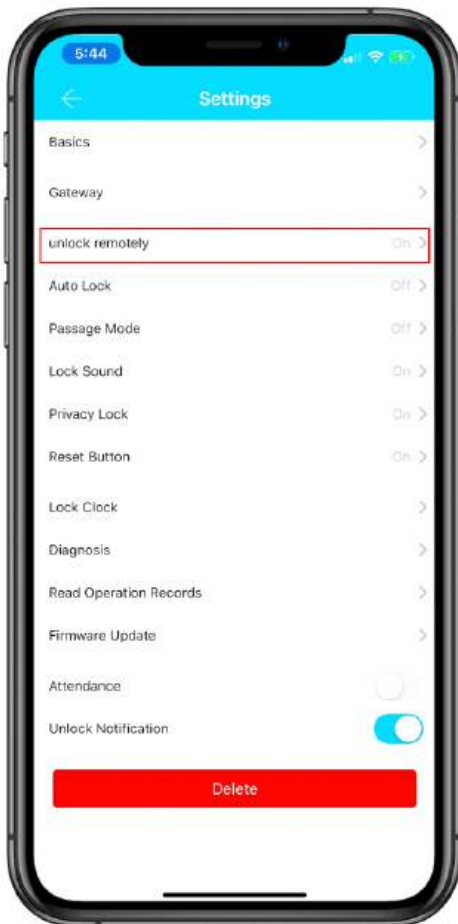
TTLock is directly connected to your lock via Bluetooth and is not connected to the network itself, which is why it is not vulnerable to network attacks.

The gateway is an accessory of the smart lock that provides a bridge between your Bluetooth lock and your Wi-Fi network so that you can control the lock from anywhere.

Users can remotely lock and unlock, view and calibrate the lock clock, read the unlocking records of passwords, ICs, fingerprints, etc., and remotely delete and modify passwords.

Once you add a wi-fi gateway device, and you enable remote unlocking in your settings, a small remote unlock icon will appear on your dashboard that allows you to unlock your remotely from anywhere that you have a network.

How to set up the gateway device is detailed later in this booklet.





Smart Lock Dashboard

Once you add the lock to TTLock, you are now the administrator of your lock. Your lock administrator dashboard lets you manage all lock settings, add fingerprints, generate passcodes, eKeys, manage IC Cards, view access records and more.

Auto Lock

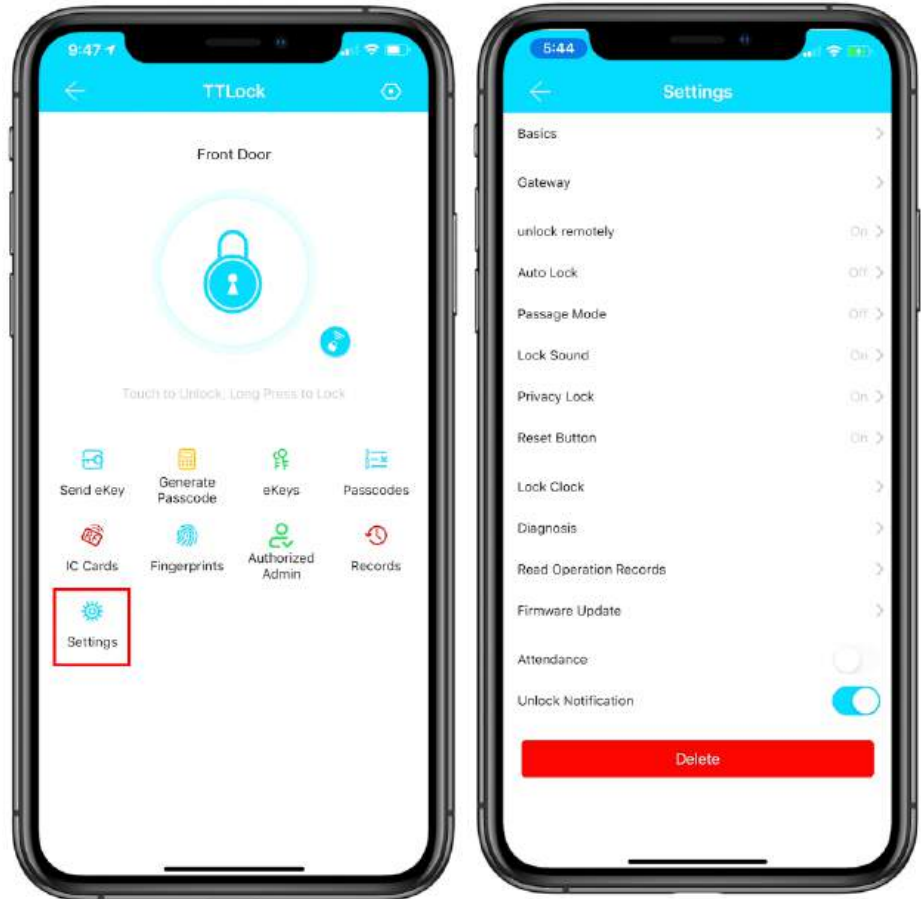
By default, the auto lock feature is disabled. To enable it, go to the lock settings and click Auto Lock. Set how many seconds after unlock that you want to delay before it automatically locks again. Be sure to click Save for the change to stick.

Remote Unlock

This feature is also disabled by default. You can enable it in the lock settings. Select “unlock remotely”. This feature requires a Wi-Fi gateway. Instructions for installing the gateway device are included in this manual.

Passage Mode

During a specified period of time the lock will remain unlocked unless manually locked. Auto-lock will be suspended until the specified period expires, at which time it will auto-lock. However, it does not auto unlock when the specified period begins.





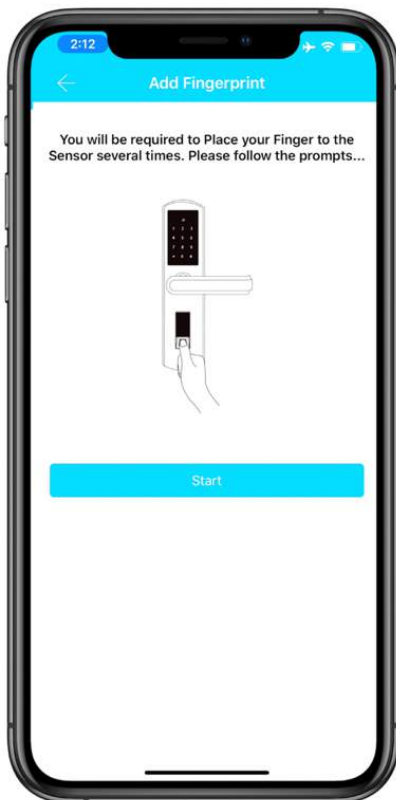
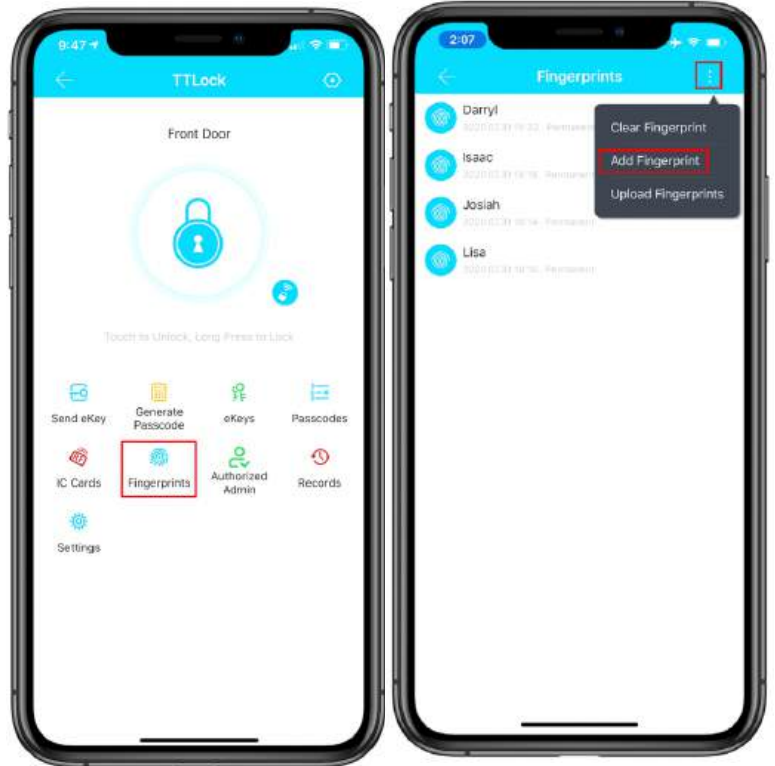
Add Fingerprint



1. Before entering fingerprints, please ensure that the fingerprint is clear and free of abrasion, and that the fingerprint recognition area and the surface of the finger are clean and free of abstractions (water, oil, sweat, dust, etc.)

2. The maximum number of fingerprints that can be entered for this product is 200. It is recommended that users enter two fingerprints (to reduce the risk of unrecognizable fingerprints due to wear and tear after entry).

3. When entering a fingerprint, you must use the same finger 3 times (multi-angle, which is helpful to judge the sensitivity) to align the fingerprint recognition area. Keep the pressure for a certain amount of time and force.



4. The validity period of fingerprints can be set to permanent or timed. You can later change the validity period.

5. Follow the on-screen instructions for adding a fingerprint. Your lock will also prompt you to place your fingerprint on the fingerprint recognition area.



Generate Passcodes

The smart lock holds up to 150 passcodes. There are four different types of passcodes: permanent, one-time, custom and recurring.



Permanent

A permanent passcode never expires. However, it must be used at least once within 24 hours from the time of creation or it will automatically expire.

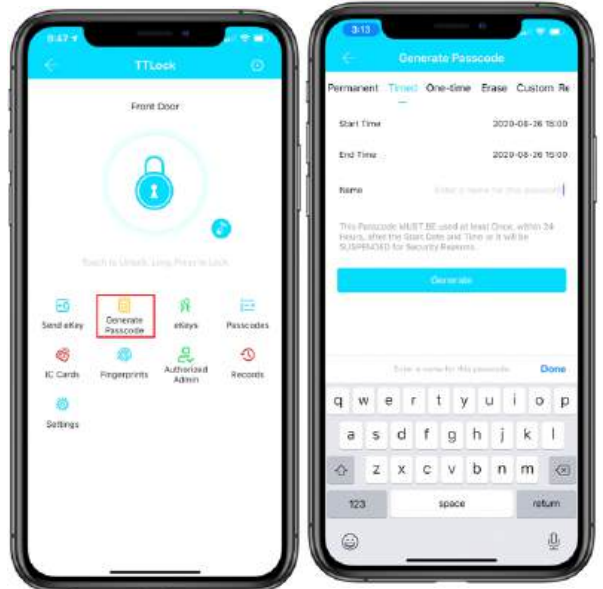
One-time

A one-time can only be used once, and is only available for 6 hours after

generating it.

Recurring

A recurring passcode is for occasions where someone needs recurring access, such as a maid service that needs access to your home for a few hours each week. This type of passcode only works during the specified time period each week. It must be used at least once within 24 hours from the time of creation or it will be expire.



Custom

Other passcode types are randomly generated numbers. Custom passcodes allow you to enter any passcode number that you desire.

Sharing Passcodes

After you create a passcode, you have the option to share it via SMS, email, WhatsApp and more. Clicking the “More” button gives you various social media option that you may have installed on your phone such as Twitter, LinkedIn, Messenger, Skype, Slack, etc.

Entering Passcodes

Users must tap the “#” after entering their passcode in order to unlock.

Anti-theft feature

Users can add random numbers before and after the actual passcode to prevent theft by those looking over your shoulder. For instance, “***349563***#”. The “*” represent random numbers on both sides of the actual passcode. The lock will recognize the actual passcode.

Note: If passcode is entered wrong 5 consecutive times, you will be restrained to enter a code until 30 seconds later, then you can enter the correct code again.



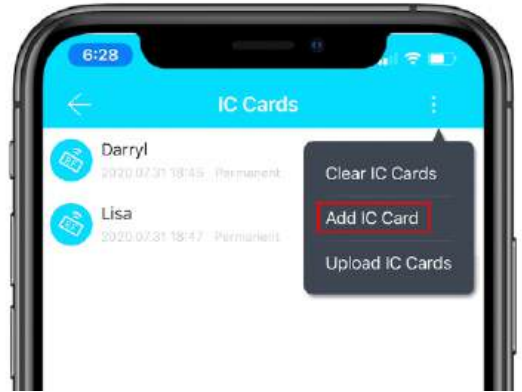


Add IC Cards

Before an IC card can be used to open a door, it must be added to TTLock.

To add a card:

1. Tap “IC Cards” and then select “Add IC Card” from the 3-dot menu.
2. Select either Permanent or Timed validity period. You can always change the validity period later.
3. Enter a name and time range and press Next.
4. The app will then attempt to connect to the lock using Bluetooth.
5. When connected it will say, “Please swipe your card”. Swipe your card on the lock and the card will be added.



Congratulations! You can now use the card to unlock your smart lock.

NOTE: you can also use various NFC cards and stickers.



eKey Management

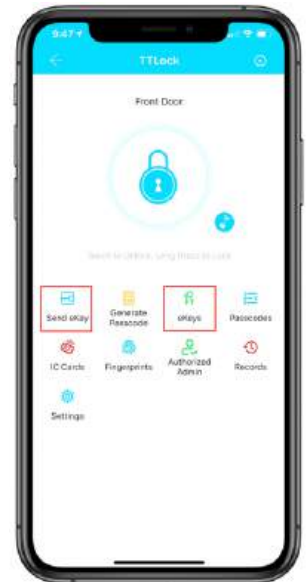
Phone App



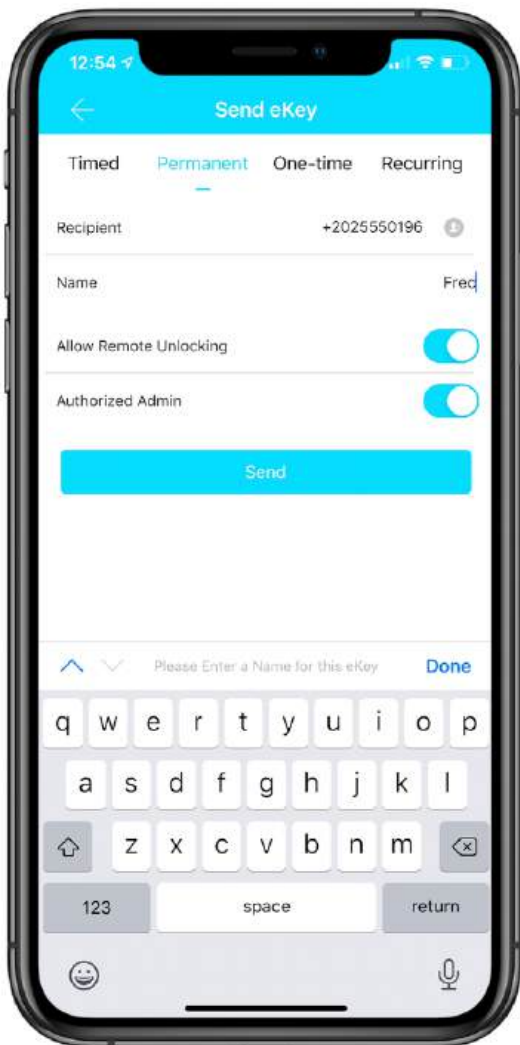
Send an eKey to any user of TTLock so that they can unlock using their smartphone. There is no limit to the number of eKeys that you can send.

The administrator can manage all the keys issued by him, including clearing the keys, resetting the keys, sending the keys, adjusting the validity period of the keys, and viewing the unlock records of the keys. To send:

1. Select “Send eKey”.
2. Choose an eKey format of Timed, Permanent, One-time or Recurring.



3. Enter the recipient’s TTLock account ID. This is either their email address or their phone number (including country code). For example, the country code for the USA is 1 so the TTLock ID would be formatted like this “+12025550196”.



4. You can optionally enable remote unlocking.

5. You can also make this user an authorized admin. Doing so will add the user to the list of authorized administrators. You can view and manage administrators from the dashboard by selecting the “Authorized Admin” button.

Note: The authorized eKey has the same administrator interface as the primary administrator except he cannot appoint or manage administrators.

The non-administrator eKey interface is limited to unlocking, locking and viewing records.

You can manage eKeys by tapping “eKeys”.



Add Gateway (option)




Without a gateway, your smart door lock is completely isolated from the Internet. Adding a gateway creates a bridge between your bluetooth lock and your WiFi and allows you to control your smart lock from anywhere through the Internet.

As a separate device that is power by AC, it does not quickly drain your lock batteries like locks with built-in WiFi.


Light Status



When the gateway is powered on:

-  Light flashes alternately in red and blue:
Stand-by mode, ready for pairing
-  Blue light: Working mode
-  Red light: Network failure

Pair the Gateway with TTLock

1. In the TTLock app, press the  icon and select "Gateway".
2. Tap the "+" to add a new gateway.
3. Select G2.
4. You will then be prompted to connect the power to your gateway. Once you do, the light will flash alternately red and blue. Click "Next".
5. Your gateway device should now appear in the list of gateway devices. If it does not, you may need to reconnect the power to your gateway device in order to get the alternating red and blue lights again.
6. Tap the "+" next to the gateway device.
7. Select your WiFi name and enter your WiFi password. **Please note that your smart phone and the gateway device must both be connected to the same Wi-Fi network.**

NOTE: If it times out, power off the gateway device and try again.

Packing List



Photo					
Name	Front panel	Back panel	Mortise Lock Body	Screws for wooden door (7G*25mm)	Screws for aluminum door (M5*10mm)
QTY	1	1	1	4	4
Photo					
Name	Key&Card	Connecting Posts: M5*35mm for 35 -65 mm door thickness	Sliding screws (screw into connecting posts)	Connecting screw: M5*25mm*1 M5*30mm*1 M5*40mm*1 M5*50mm*1 M5*70mm*1	Waterproof rubber seal
Qty	2+3	2	1	5	2
Photo					
Name	Square shaft (80mm/60mm)	Split pin	Striker plate & Box		
Qty	2	1	1+1		



Factory Warranty Card

Customer Name: _____

Customer Phone Number: _____

Purchase Date: _____

Where Purchased: _____

Product Name: _____

Product Model: _____

Note:

- 1) Please keep this card so that you can use it when you need a warranty claim.
- 2) We provide you with a one-year warranty from the date of purchase.